PEQUEA®
Tradition In Progress

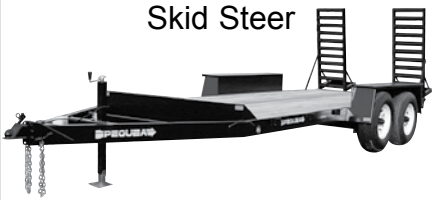
All
Trailer Models

Owner's/Operator's Manual

G Series

Deckover

Skid Steer



Utility

Dump

THIS MANUAL MUST BE READ AND UNDERSTOOD BEFORE ANYONE USES THIS TRAILER!

Manual# 990006
Revised 02/08

YOU MUST FILL OUT YOUR WARRANTY REGISTRATION TO ACTIVATE YOUR WARRANTY AND TO QUALIFY FOR PARTS AND SERVICE

To the Owner;
Thank-You for choosing a quality trailer from Pequea Machine, Inc. We offer a one year warranty on all trailers that are registered at time of purchase. You will find full details on our warranty inside the back cover of this manual. We strive to give you the best equipment and the best level of service of any company and we design and build all of our trailers with the end user in mind so we welcome any suggestions or ideas for improvement.

Please take a few minutes to fill out the area below. This information will be valuable to you when ordering parts or requesting service from your dealer.

Dealer Name:_____

Dealer Phone Number:_____

Service Manager/Technician:_____

Model Number:_____

VIN Number:_____

Date of Purchase:_____

For contact information of your nearest dealer call Pequea at 717-354-4343 or go to www.pequea.com

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INTRODUCTION

Thank-You for choosing a quality product from Pequea. With a little care and maintenance this trailer will work well for many years. In this manual we make an effort to get you better acquainted with this trailer and will instruct you on the safe and efficient use of it. Please read the following pages carefully.

Trailer Identification

Each trailer manufactured by Pequea has its own 17 digit VIN# (Vehicle Identification Number) This number is printed on a sticker that is placed on the tongue of the trailer (Figure 1). The sticker also has GVWR (Gross Vehicle Weight Rating), trailer empty weight, and tire size and capacity. Please record your VIN# on the space provided inside the front cover of this manual. You may need to have this number when ordering parts for the trailer.

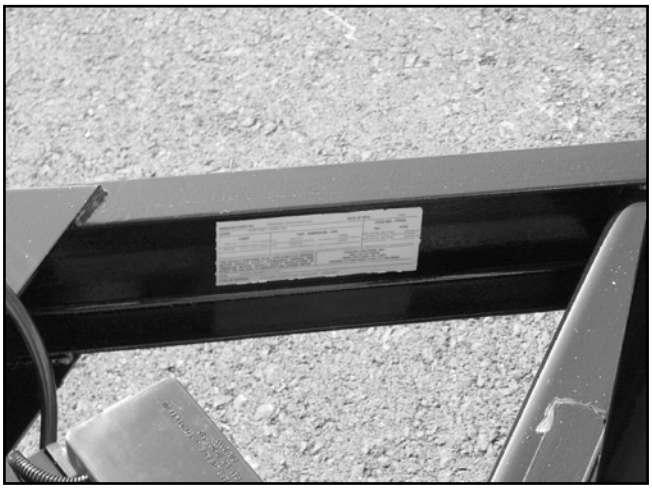


Figure 1

SAFETY

Shown below are some of the safety stickers and decals used on the trailers. Failure to heed could result in road hazard, personal injury, or death. You must order replacements if any of these stickers are torn or have been removed or are illegible for any reason.

⚠WARNING

- Do not operate this trailer unless you have read and understand the safety information in the owner's manual!
- Failure to properly operate and maintain the towing vehicle and trailer can result in injury.

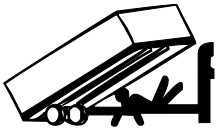
2068

⚠WARNING

CHECK WHEEL LUGS

1. On first trip, tighten wheel lugs at start and every 50 miles for first 200 miles.
2. Thereafter, check wheel lugs before each trip.
3. Following winter storage, check before beginning a trip.
4. Following excessive braking. Inspect wheel lugs.

UT006



⚠ DANGER

Support box with safety prop before working under box.

Failure to heed may cause serious injury or death.

UT0061

⚠WARNING

PINCH POINT

SAFETY PROP

SAFETY

Pequea and your local Dealer have checked the items listed below for correct installation and proper settings. You, the end user should also check these items before and after the first time you haul your trailer. Please refer to this manual and the Axle Operation Maintenance Service Manual for any adjustments to this trailer or to the axles and hubs.

Safety Checklist

- ____ **All Decals Installed**
- ____ **Reflectors and Lights Installed**
- ____ **All Ramps Properly Secured**
- ____ **Wheel Lugs***
- ____ **Brakes/Brake Controllers are Functional**
- ____ **Running Lights/Turn Signals are Functional**
- ____ **Safety Chains must be Attached to Tow Vehicle (see page 8)**
- ____ **Tire Condition & Tire Pressure (See page 5)**
- ____ **Hitch Should be Properly Sealed & Secured with a Safety Pin**
- ____ **Breakaway Must be Attached to Tow Vehicle**
- ____ **Breakaway System Should be Checked for Proper Operation (See page 6)**
- ____ **All Jacks are up in Travel Position**
- ____ **Distribution & Security**
- ____ **Review Operating and Safety Instructions**

***Also check at 10, 25, 50 miles and recheck every 3,000 miles or 3 months**

ROUTINE INSPECTION

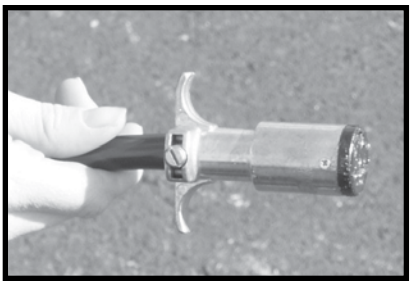
Axle Rating in lbs.	2000	3500	5000	6000	7000	8000	9000	10000
TIRE	175/80	205/75 LRC	225/75 LRD	225/75 LRD	235/80 LRE	235/75 LRJ	235/75 LRJ	235/75 LRJ
WHEEL	13"	15"	15"	15"	16"	17.5"	17.5"	17.5"
BOLT PATTERN	5	5	6	6	8	8	8	8
WHEEL LUG TORQUE	50-75 ft. lbs.	90-120 ft. lbs.	90-120 ft. lbs.	90-120 ft. lbs.	90-120 ft. lbs.	190-210 ft. lbs.	190-210 ft. lbs.	190-210 ft. lbs.

Wheels: Check wheels for shape retention. If wheel is not round, this may be due to the lug nuts being loose or too tight. Be careful to avoid chuck holes, curbs and other hazards in the road. Periodically checking your tires can help you avoid problems. Replace any wheel that is bent.

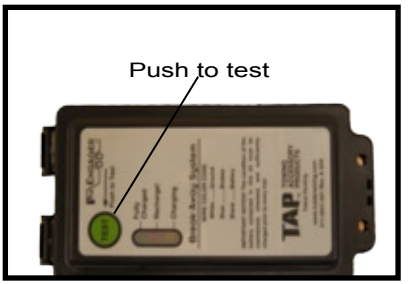
Brakes: All tandem axle Pequea trailers are equipped with electric brakes. Repair and service information for the brakes can be found in the Axle Service Manual. Please follow all axle manufacturer's instructions concerning brakes to be eligible for warranty provisions. Brakes on new trailers may tend to "pull" or pulsate. Don't worry, this is normal. To alleviate the situation, pull your trailer a short distance with the brakes slightly engaged.

Tire Pressure: The proper air pressure for your tires is printed on the tire. Air pressure should be checked while tires are "cold" and when the trailer is empty. Be sure that you do not raise or lower pressure to meet your load. Excessive wear and tire failure will result if recommended pressure is not met.

Breakaway System



Check all wires and connections to ensure that they are in good condition and connections are secure. A short or break in the wiring can cause a failure in the breakaway function and result in damage to equipment, injury or death.



Check the breakaway system before each trip. If the battery is not fully charged, it should recharge automatically when the electrical system is connected to the tow vehicle. If any problems are encountered, consult your local dealer immediately.

The breakaway system must be kept in full operational condition at all times!

It is the responsibility of the owner/operator to insure that the breakaway system operates properly.

NOTE:
When using a dump trailer. Frequent use will necessitate a battery re-charge using a charger.

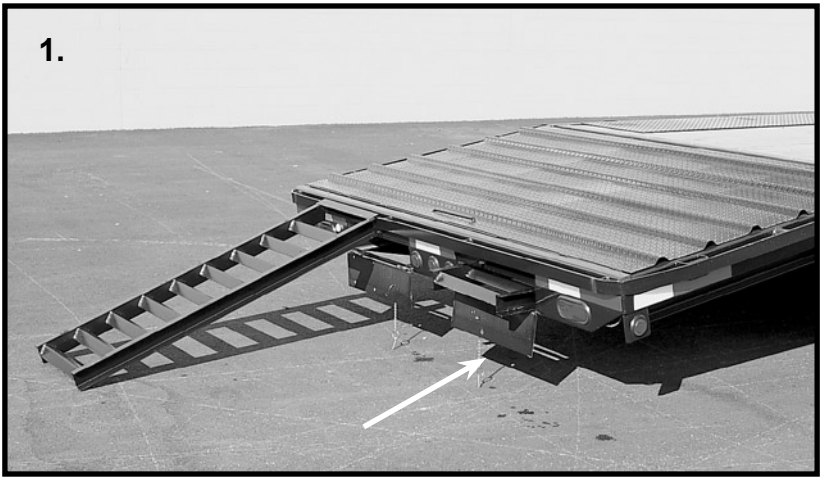
With a full charge, disconnect trailer electrical system from towing vehicle. this is important to avoid possible damage to your vehicle's electrical system.

Pull the breakaway pin - the brakes should engage. Attempt to move the trailer forward slightly. The tires should slide on the road surface and not turn.

With test complete replace the pin to its operational position. Failure to do so immediately will result in discharge of the battery and possible failure of the system later.

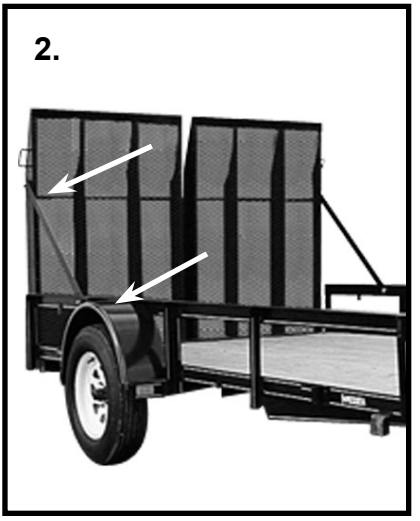
ROUTINE INSPECTION

Loading Ramps



Check before each trip to insure that ramps are properly stowed and secured before moving trailer. Ladder ramps (1) may be secured in storage bins with a pin or on the rear of the trailer with straps. Straps may have a combination of bolts and nuts and/or pins to secure ramps in place.

(2) Mesh ramps use straps with bolts and/or pins. Regardless of how ramps are secured, insure that, in fact, they are secure.



IMPORTANT: Always use stabilizer jacks when loading equipment heavier than the weight of the tow vehicle unless there are provisions for this built in to the ramps

ROUTINE INSPECTION

The Hitch:

It is your responsibility to correctly match your tow vehicle to your trailer. To do this, here are some steps to follow:

1. Match the GVWR of your trailer to the maximum trailer weight allowed for your tow vehicle.

2. Match the hitch weight carrying capacity of your tow vehicle with the loaded tongue weight of your trailer.

3.Trailers that have electric brakes require that a brake controller of the proper size be installed on the towing vehicle by a qualified specialist.

4. Match the electrical wiring of your tow vehicle to the wiring on your trailer. Be sure to check that your tow vehicle has a ground wire running from the receptacle to the frame.

5. Match the ball size to the coupler size.

6. Make sure the ball coupler is rated for the GVW of your trailer.

If you have any questions regarding your hitch, call a specialist!

Inspect the ball coupler periodically to check for premature wear make sure locking device is functional.

Safety Chains:

Be sure to always cross your safety chains when hooking to your trailer. Crossing your safety chains creates a cradle that will catch your trailer in the case of a breakaway and will prevent the hitch from hitting the road **(Crossing your safety chains is required by law.)** A breakaway will cause a lot of stress on the chains. The chains should always be replaced after a breakaway.

If your chains hang down too far and scrape the road they need to be cut shorter. The road is abrasive and will wear down the links considerably in a short time.

Inspect your safety chains periodically to insure that there is no premature wear or stress. If in doubt, replace immediately.

ROUTINE INSPECTION

Your Pequea Trailer is equipped with one of a variety of hitches. Some of these are shown on this page. It is your responsibility to insure that a proper size ball is installed on the towing vehicle.

Gooseneck Adjustable Ball Coupler

"G" Series Hitches: Your Gooseneck Trailer is equipped with the hitch shown above. Be sure that the ball coupler on tow vehicle is rated for at least as much weight as the GVWR on your trailer.

Hitch Balls: Hitch balls come in a variety of diameters and capacities; the GVWR is always stamped on the ball. Depending on the GVWR, your trailer is equipped with either a 2" or 2⅝" ball. Be sure that the ball matches the GVWR of your trailer and the diameter of the ball matches the coupler on the trailer!

Never tow your trailer with an improper size ball!

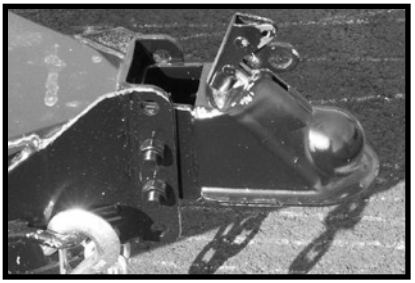
Recommended Care for Hitches:

1. Always keep hitch ball greased.

2. Replace worn hitch balls or locking lugs promptly.

3. Replace worn hitch pins and 5th wheel jaws promptly.

4. When in doubt, consult either tow vehicle manufacturer, vehicle owner's manual, dealership or hitch specialist.



Adjustable Height Ball Coupler

Adjustable Height Pintle Eye

ROUTINE INSPECTION

Frame: Normal road use will eventually chip away at the factory-protected underside of your frame. Check the underside of your frame at least once a year and repair any chips with an automotive undercoating or matching paint. This protection can help prevent rust and deterioration of the trailer.

Steel Edges: EXPOSED STEEL EDGES MAY BE SHARP TO TOUCH! Take extra precautions when touching exposed steel edges. When cut, steel edges may have burrs which can cause injury. Use steel wool to get rid of burrs or cut them off with a wire cutter.

Welds: We recommend that you check all welds every 6 months or 6,000 miles for cracks or fractures. Also check steel surfaces for cracking.

If you detect any cracking or fractures, contact your dealer immediately.

Brakes: Your trailer brakes must be inspected and serviced at yearly intervals, or more often as use and performance requires. Consult your Axle Maintenance Service Manual for more information.

ROUTINE INSPECTION

Routine maintenance must be performed on your trailer to ensure its safe and economical use. On the following pages you will find some simple steps that you may find useful. If you have any questions regarding trailer maintenance, call your dealer or Pequea.

CHECK	HOW	EVERY TRIP	EVERY 3,000 MI OR 3 MO.	EVERY 6,000 MI OR 6 MO.
Tire Pressure	Inflate to Pressure Indicated on Tire	√		
Wheel Lugs, Nuts & Bolts*	Tighten to Proper Torque Specifications (see axle service manual)	√		
Coupler Ball or 5th Wheel & Pin	Check for Unusual Wear, Sufficient Lube and Lock Mechanism	√		
Safety Chains & Hitch Ball	Check for Unusual Wear on Chain Links and Hitch Ball	√		
Coupler	Check Pin for Proper Fastening	√		
Brakes**	Check General Operation and Proper Adjustment	√		
Breakaway Battery	Check Charge Light by Pulling Switch Pin. Pull Switch and Make Sure Brakes Engage.	√		
Doors, Windows & Vents	Close and Lock All Doors, Windows and Vents before Travel	√		
Welds	Check Welds for Cracking or Separations			√
Hinges	Check for Proper Operation, Lubricate with Light Oil		√	
D-ring Tie Downs	Check for Fractures, Loose Anchor System		√	
Lights & Signals	Check for Proper Operation and Replace Burned Bulbs. Check Wire Connections at Lights	√		
Load Distribution	Check and Secure Load Distribution	√		
Ramps	Make Sure Ramps are Secured	√		

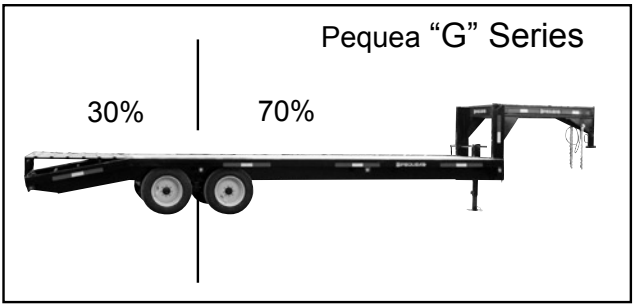
*Check first trip and after 10, 25, 50 miles. Then check after every 3,000 miles or 3 months.
**Please refer to corresponding manufacturer's owner's manual.

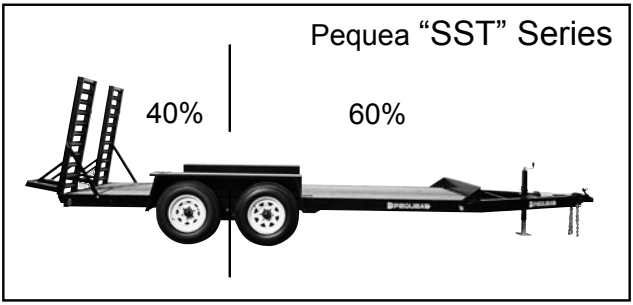
LOADING

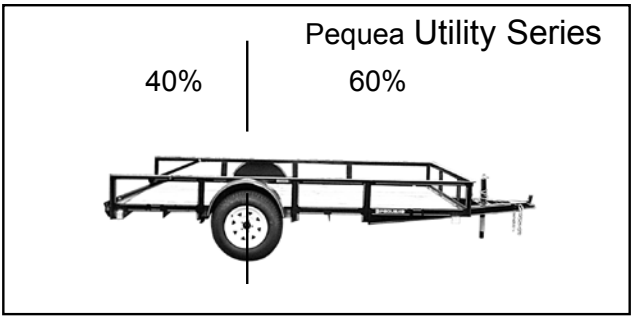
Proper loading of your Pequea trailer is important! Uneven loading and insufficient tongue weight of your trailer can cause your trailer to be unstable and result in serious bodily injury. Be sure to follow these instructions when loading your trailer.

Remember to level your trailer before loading. Failure to do so will cause undue stress and wear on your suspension system and tires and may result in poor handling.

Loading anything onto your trailer that weighs more than 50% of the GVW of the trailer, requires the use of either ramps with support legs or support legs on the rear corners of the trailer.



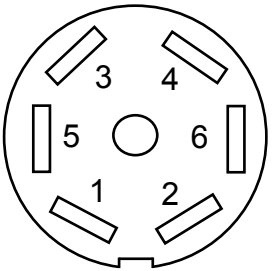




ELECTRICAL

Pequea uses the same color-function wiring code for all trailers. This wiring code is shown below along with the a schematic of the standard 7-pin RV trailer plug. The diagram delow is the view looking at the back of the plug insert where the wires are attached.

WHITE	1	GROUND
YELLOW	5	LEFT TURN
BROWN	3	RUNNING LIGHTS
RED	4	HOT LINE
GREEN	6	RIGHT TURN
BLACK	2	BRAKES



7-WAY PLUG
for tow vehicle

The red wire is intended to be a constant hot line whenever the wiring plug is connected to the tow vehicle. On the dump trailers this wire serves as a slow charging wire that will recharge the 12 Volt battery that powers the hydraulic motor. There is a 30 amp circuit breaker attached to the inside of the toolbox that will cut off the power if there is a problem in this charging wire.
On all other trailers this wire charges the breakaway battery. The breakaway system has a built-in circuit breaker.

NOTE: This charging will work only if the tow vehicle is wired properly.

It is very important that you have a ground wire running from the plug to the frame of your tow vehicle.

Hitches, safety chains and couplers are not adequate grounds for your trailer. If you have any questions regarding the wiring of your trailer, contact either your dealer or Pequea.

Maintenance

Grease Points
Check all pivot points periodically to make sure they are well lubricated. These are sleeve bearings and can not be over greased. Any lithium grease will work fine for this application. Refer to the axle service manual for instructions on how to grease the wheel bearings

Hydraulic Power Unit
Check the oil level in the power unit and make sure there is enough oil to raise the bed all the way. Add more oil if neccesary. We use an **ISO 46** Hydrulic Plus. When operating in extreme cold conditions you may want to change the oil to a lighter viscosity as the oil thickens in low temperatures.

HYDRAULIC DUMP AND TILT TRAILERS

Troubleshooting

TROUBLE	POSSIBLE CAUSE	POSSIBLE REMEDY
Bed stuck in up position	Dry pivot points in hoist or bed pivot	Grease pivot points
	Bad ground to frame	Check ground wire connection to frame and frame to power unit
	Bad solonoid	Replace solenoid
Power Unit will not run	Bad connection to battery	Check power cable
	Dead battery	Recharge battery - Check charging system
	Bad ground to frame	Check ground wire connection to frame and frame to power unit
	Bad solonoid	Replace solenoid
Dump battery will not charge	Bad connection to battery	Check red charging wire connection
	Truck not wired properly	Check wiring on truck
	Bad battery	Replace battery

Refer to the axle service manual for troubleshooting on brakes or trailer axle problems.

WARRANTY

Pequea's Limited Warranty

Pequea Machine Company warrants to the original Purchaser all Machinery, Equipment, or Trailers manufactured by it, to be free from defects in material and workmanship under normal use and service. Its obligation under this Warranty shall be limited to replacement or repair of any parts thereof, free of charge to the original Purchaser, at its place of business, provided, however, that the part(s) to be replaced or repaired, shall within one (1) year after delivery to the original Purchaser, be demonstrated to be defective; which determination shall be made by the Company. The said components or parts must be returned through the Selling dealer or distributor directly to the Company with all transportation charges prepaid. Notice of defect shall be furnished in writing to the Seller and to the agent through whom the machinery was received, disclosing in full all known defects and failure in operation and use, and reasonable time shall be given to the Seller to remedy any such defects and failures. Failure to make such trial or give such notice shall be deemed an absolute acceptance by the Buyer and satisfaction in full of this Limited Warranty.

This Warranty does not cover, under any circumstances, any parts, components, or materials which, in the opinion of the Seller and Company, have been subjected to neglect, misuse, alteration, accident, or if repaired, with parts other than those manufactured by and obtained from Pequea Machine Company.

This Warranty does not cover components which are already covered by a separate Warranty provided by the supplier of said parts or components.

The Company's obligation under this Warranty is limited to repair or replacement, free of charge to the original Purchaser, of any part which in judgement of the Company is defective. This Warranty does not cover normal wear and tear.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR USE AND PURPOSE AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON ITS PART AND ANY IMPLIED WARRANTY. AND IT NEITHER ASSUMES NOR AUTHORIZES ANY OTHER LIABILITY IN CONNECTION WITH A SALE OF THIS MACHINE. THIS WARRANTY SHALL NOT APPLY TO THIS MACHINE OR TO ANY PART THEREOF WHICH HAS BEEN SUBJECT TO ACCIDENT, NEGLIGENCE, ALTERATION, ABUSE, OR MISUSE.

The Company makes no Warranty whatsoever in respect to accessories or parts not supplied by the Company. The term "original Purchaser" as used in this warranty, shall be deemed that person for whom the Machine, Equipment, or Trailer is originally supplied. This Warranty shall apply only within the boundaries of the continental United States.

Under this Warranty, the Company cannot guarantee that existing conditions beyond its control will not affect its ability to obtain materials or manufacture necessary replacement parts.

No one is authorized to alter, modify, or change the terms of this Warranty in any manner.

The Company warrants the Construction of the equipment sold herein and will replace at its expense for a period of (1) year from the date hereof, any parts which prove defective as determined under the terms of this Limited Warranty.

DATE	SERVICE PERFORMED	MILES

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